

Title (en)
HF SURGICAL GENERATOR

Title (de)
HF-CHIRURGIEGENERATOR

Title (fr)
GÉNÉRATEUR CHIRURGICAL HF

Publication
EP 2349041 B1 20180425 (DE)

Application
EP 09777786 A 20090810

Priority

- EP 2009005797 W 20090810
- DE 102008046247 A 20080908
- DE 102008058737 A 20081124

Abstract (en)
[origin: WO2010025807A1] The invention relates to HF surgical generators, which comprise a power supply unit for providing a rectified electrical energy, a power oscillator for providing a potential-free, direct current- or direct voltage-free high-frequency voltage, and a control device for controlling the high-frequency voltage. In order to achieve a particularly good modulation capability, it is proposed that the power supply unit be designed as a current source for providing an applied output current, the target value of which is specified by the control device such that the applied output current of the power supply unit is used as a control variable for controlling the HF voltage.

IPC 8 full level
A61B 18/00 (2006.01); **A61B 18/12** (2006.01); **H03L 5/00** (2006.01)

CPC (source: EP US)
A61B 18/1206 (2013.01 - EP US); **H03L 5/00** (2013.01 - EP US); **A61B 2018/00577** (2013.01 - EP US); **A61B 2018/00601** (2013.01 - EP US); **A61B 2018/00642** (2013.01 - EP US); **A61B 2018/00767** (2013.01 - EP US); **A61B 2018/00892** (2013.01 - EP US)

Citation (examination)

- US 5304214 A 19940419 - DEFORD JOHN A [US], et al
- US 5836943 A 19981117 - MILLER III SCOTT A [US]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010025807 A1 20100311; CN 102149345 A 20110810; CN 102149345 B 20140219; DE 102008058737 A1 20100415; DE 102008058737 B4 20191212; EP 2349041 A1 20110803; EP 2349041 B1 20180425; JP 2012501696 A 20120126; JP 6073059 B2 20170201; PL 2349041 T3 20181031; US 2011170321 A1 20110714; US 9168083 B2 20151027

DOCDB simple family (application)
EP 2009005797 W 20090810; CN 200980135168 A 20090810; DE 102008058737 A 20081124; EP 09777786 A 20090810; JP 2011525424 A 20090810; PL 09777786 T 20090810; US 200913062681 A 20090810